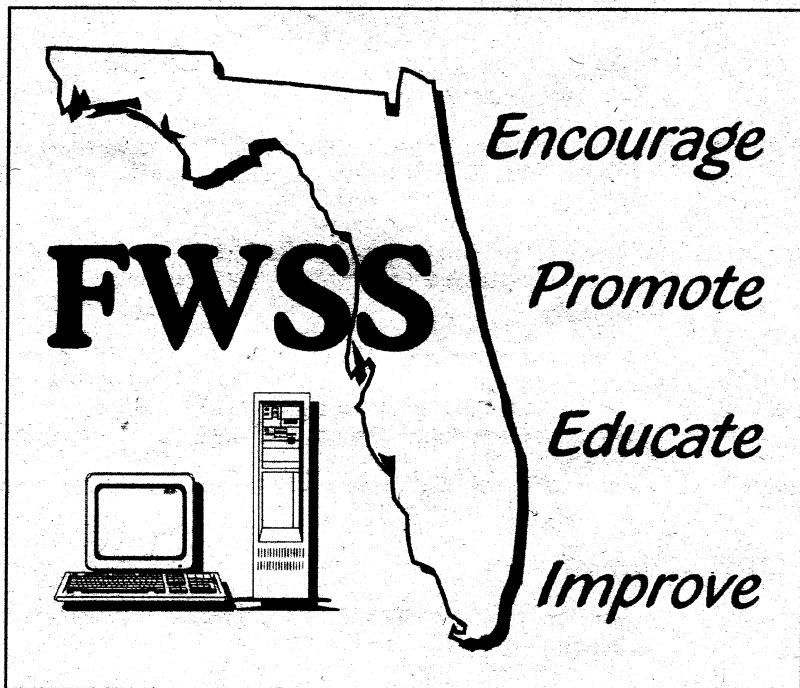


***SolviNix* LC, A BIOHERBICIDE FOR TROPICAL SODA APPLE: SAFETY, EFFICACY, AND REGISTRATION.** R. Charudattan\* and E. Hiebert, Plant Pathology Department, University of Florida-IFAS, Gainesville, FL

Unlike many plant viruses that can infect and cause diseases in tropical soda apple (TSA), *Tobacco mild green mosaic tobamovirus* (TMGMV), an indigenous plant virus adapted to Solanaceous species, kills tropical soda apple (TSA) by eliciting a host-specific and lethal hypersensitive plant response to infection. Exploiting this natural phenomenon, we have developed a naturally occurring isolate of TMGMV as a postemergent bioherbicide, *SolviNix* LC, to control TSA. Based on extensive host-range and risk-analysis studies, we have determined that *SolviNix* can be used safely without harm to nontarget plant species, fauna, and the environment. As a practical, non-chemical TSA-management option, *SolviNix* provides high levels of TSA control, performs consistently, and is easy to apply. Recommended application methods will include spot-spraying with high-pressure sprayers and mow-and-wipe application with a wet-blade mower. Attempts are underway to register *SolviNix* LC as a bioherbicide in the United States.

# **Florida Weed Science Society 2012 Annual Meeting**



**Florida FFA Leadership Training Center  
5000 Firetower Road  
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